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1. **Antolini, Francesco**
Quantum dots synthesis through direct laser patterning
2. **Brumme, Thomas**
Electrochemical doping of HfNCl: spin-orbit coupling, spin texture, and Ising superconductivity
3. **Cabrera Granado, Eduardo**
Upconversion-Gold hybrid nanosystems for oligonucleotide detection based on Foerster energy resonant transference
4. **Chand, Ram**
Study of shear and flow of soft amorphous materials
5. **Díaz García, Elena**
FRET distance dependency in nanoassemblies based on upconversion nanoparticles and quantum dots
6. **Dorfs, Dirk**
Alternative plasmonic materials – colloid chemical synthesis, characterization and properties
7. **Dubavik, Aliaksei**
Composite materials from RGB carbon dots
8. **Georgi, Maximilian**
(Bi-)metallic aerogels as electrocatalysts – promising materials for green future technologies
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Theory of single- and many-particle states in graded CdZnSe nanocrystals
10. **Gromova, Yulia**
Investigation of semiconductor nanocrystals by MCD spectroscopy

11. **Hiekel, Karl**
Influencing noble metal aerogel structures
12. **Klemmed, Benjamin**
Gold nanorods - metal oxide gel composites as SERS-substrates
13. **Lengers, Frank**
Effects of Coulomb interaction on wave packet dynamics in semiconductor heterostructures
14. **Nandi, Mahasweta**
New generation electrode materials from porous carbon of bacterial cellulose/polyacrylonitrile composite
15. **Rosebrock, Marina**
Multicomponent gel networks of nanoparticles for photoelectrochemical applications
16. **Rusch, Pascal**
Silica shell growth around CdSe/CdS nanorod aerogels
17. **Trotsiuk, Liudmila**
The effect of gold nanorods on luminescence of quantum dots in electrostatic complexes